

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/577,390  
Source: JFWD  
Date Processed by STIC: 05/11/2006

# ***ENTERED***

**CRF Errors Edited by the STIC Systems Branch**

Serial Number: 10/577, 390

CRF Edit Date: 05/11/2006  
Edited by: DA

\_\_\_\_ **Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line**

\_\_\_\_ **Corrected the SEQ ID NO. Sequence numbers edited were:**

\_\_\_\_\_

\_\_\_\_ **Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:**

\_\_\_\_\_

/ Deleted: / invalid beginning/end-of-file text ; / page numbers

\_\_\_\_ **Inserted mandatory headings/numeric identifiers, specifically:**

\_\_\_\_\_

\_\_\_\_ **Moved responses to same line as heading/numeric identifier, specifically:**

\_\_\_\_\_

\_\_\_\_ **Other:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



IFW

## RAW SEQUENCE LISTING

DATE: 05/11/2006

PATENT APPLICATION: US/10/577,390

TIME: 13:13:59

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\05092006\J577390.raw

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4 <110> APPLICANT: Chen, Bao-Lu
5      Hurst, Deborah
6      Lee, Sang Hoon
7      Long, Li
8      Lu, Xiaofeng
9      Luqman, Mohammad
10     Yabannavar, Asha
11     Zaror, Isabel
13 <120> TITLE OF INVENTION: Antagonist Anti-CD40 Monoclonal
14     Antibodies and Methods for Their Use
17 <130> FILE REFERENCE: PP20107.004 (282916)
C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/577,390
C--> 19 <141> CURRENT FILING DATE: 2006-04-27
19 <150> PRIOR APPLICATION NUMBER: 60/565,710
20 <151> PRIOR FILING DATE: 2004-04-27
22 <150> PRIOR APPLICATION NUMBER: 60/525,579
23 <151> PRIOR FILING DATE: 2003-11-26
25 <150> PRIOR APPLICATION NUMBER: 60/517,337
26 <151> PRIOR FILING DATE: 2003-11-04
28 <160> NUMBER OF SEQ ID NOS: 12
30 <170> SOFTWARE: FastSEQ for Windows Version 4.0
32 <210> SEQ ID NO: 1
33 <211> LENGTH: 720
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Coding sequence for light chain of 12.12 human
39     anti-CD40 antibody
W--> 41 <221> NAME/KEY: CDS
42 <222> LOCATION: (1)...(720)
W--> 44 <400> 1
45 atg gcg ctc cct gct cag ctc ctg ggg ctg cta atg ctc tgg gtc tct      48
46 Met Ala Leu Pro Ala Gln Leu Leu Gly Leu Leu Met Leu Trp Val Ser
47 1              5              10              15
49 gga tcc agt ggg gat att gtg atg act cag tct cca ctc tcc ctg acc      96
50 Gly Ser Ser Gly Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Thr
51              20              25              30
53 gtc acc cct gga gag ccg gcc tcc atc tcc tgc agg tcc agt cag agc      144
54 Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser
55              35              40              45
57 ctc ctg tat agt aat gga tac aac tat ttg gat tgg tac ctg cag aag      192
58 Leu Leu Tyr Ser Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr Leu Gln Lys
59      50              55              60

```

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PATENT APPLICATION: US/10/577,390

DATE: 05/11/2006

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Input Set : A:\pto.da.txt

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```

61 cca ggg cag tct cca cag gtc ctg atc tct ttg ggt tct aat cgg gcc      240
62 Pro Gly Gln Ser Pro Gln Val Leu Ile Ser Leu Gly Ser Asn Arg Ala
63   65                               70                               75                               80
65 tcc ggg gtc cct gac agg ttc agt ggc agt gga tca ggc aca gat ttt      288
66 Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
67                               85                               90                               95
69 aca ctg aaa atc agc aga gtg gag gct gag gat gtt ggg gtt tat tac      336
70 Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr
71                               100                              105                              110
73 tgc atg caa gct cga caa act cca ttc act ttc ggc cct ggg acc aaa      384
74 Cys Met Gln Ala Arg Gln Thr Pro Phe Thr Phe Gly Pro Gly Thr Lys
75                               115                              120                              125
77 gtg gat atc aga cga act gtg gct gca cca tct gtc ttc atc ttc ccg      432
78 Val Asp Ile Arg Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro
79                               130                              135                              140
81 cca tct gat gag cag ttg aaa tct gga act gcc tct gtt gtg tgc ctg      480
82 Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu
83 145                               150                               155                               160
85 ctg aat aac ttc tat ccc aga gag gcc aaa gta cag tgg aag gtg gat      528
86 Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp
87                               165                               170                               175
89 aac gcc ctc caa tcg ggt aac tcc cag gag agt gtc aca gag cag gac      576
90 Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp
91                               180                               185                               190
93 agc aag gac agc acc tac agc ctc agc agc acc ctg acg ctg agc aaa      624
94 Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys
95                               195                               200                               205
97 gca gac tac gag aaa cac aaa gtc tac gcc tgc gaa gtc acc cat cag      672
98 Ala Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln
99                               210                              215                              220
101 ggc ctg agc tcg ccc gtc aca aag agc ttc aac agg gga gag tgt tag      720
102 Gly Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys *
103 225                               230                               235
107 <210> SEQ ID NO: 2
108 <211> LENGTH: 239
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Light chain of 12.12 human anti-CD40 antibody
115 <400> SEQUENCE: 2
116 Met Ala Leu Pro Ala Gln Leu Leu Gly Leu Leu Met Leu Trp Val Ser
117 1                               5                               10                               15
118 Gly Ser Ser Gly Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Thr
119                               20                               25                               30
120 Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser
121                               35                               40                               45
122 Leu Leu Tyr Ser Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr Leu Gln Lys
123                               50                               55                               60
124 Pro Gly Gln Ser Pro Gln Val Leu Ile Ser Leu Gly Ser Asn Arg Ala

```

## RAW SEQUENCE LISTING

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PATENT APPLICATION: US/10/577,390

TIME: 13:13:59

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\05092006\J577390.raw

```

125 65              70              75              80
126 Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
127              85              90              95
128 Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr
129              100             105             110
130 Cys Met Gln Ala Arg Gln Thr Pro Phe Thr Phe Gly Pro Gly Thr Lys
131              115             120             125
132 Val Asp Ile Arg Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro
133              130             135             140
134 Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu
135 145             150             155             160
136 Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp
137              165             170             175
138 Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp
139              180             185             190
140 Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys
141              195             200             205
142 Ala Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln
143 210             215             220
144 Gly Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
145 225             230             235
148 <210> SEQ ID NO: 3
149 <211> LENGTH: 2016
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Coding sequence for heavy chain of 12.12 human
155      anti-CD40 antibody (with introns)
157 <400> SEQUENCE: 3
158 atg gag ttt ggg ctg agc tgg gtt ttc ctt gtt gct att tta aga ggt 48
159 gtc cag tgt cag gtg cag ttg gtg gag tct ggg gga ggc gtg gtc cag 96
160 cct ggg agg tcc ctg aga ctc tcc tgt gca gcc tct gga ttc acc ttc 144
161 agt agc tat ggc atg cac tgg gtc cgc cag gct cca ggc aag ggg ctg 192
162 gag tgg gtg gca gtt ata tca tat gag gaa agt aat aga tac cat gca 240
163 gac tcc gtg aag ggc cga ttc acc atc tcc aga gac aat tcc aag atc 288
164 acg ctg tat ctg caa atg aac agc ctc aga act gag gac acg gct gtg 336
165 tat tac tgt gcg aga gat ggg ggt ata gca gca cct ggg cct gac tac 384
166 tgg ggc cag gga acc ctg gtc acc gtc tcc tca gca agt acc aag ggc 432
167 cca tcc gtc ttc ccc ctg gcg ccc gct agc aag agc acc tct ggg ggc 480
168 aca gcg gcc ctg ggc tgc ctg gtc aag gac tac ttc ccc gaa ccg gtg 528
169 acg gtg tcg tgg aac tca ggc gcc ctg acc agc ggc gtg cac acc ttc 576
170 ccg gct gtc cta cag tcc tca gga ctc tac tcc ctc agc agc gtg gtg 624
171 acc gtg ccc tcc agc agc ttg ggc acc cag acc tac atc tgc aac gtg 672
172 aat cac aag ccc agc aac acc aag gtg gac aag aga gtt ggt gag agg 720
173 cca gca cag gga ggg agg gtg tct gct gga agc cag gct cag cgc tcc 768
174 tgc ctg gac gca tcc cgg cta tgc agt ccc agt cca ggg cag caa ggc 816
175 agg ccc cgt ctg cct ctt cac ccg gag gcc tct gcc cgc ccc act cat 864
176 gct cag gga gag ggt ctt ctg gct ttt tcc cca ggc tct ggg cag gca 912
177 cag gct agg tgc ccc taa ccc agg ccc tgc aca caa agg ggc agg tgc 960

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## RAW SEQUENCE LISTING

DATE: 05/11/2006

PATENT APPLICATION: US/10/577,390

TIME: 13:13:59

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\05092006\J577390.raw

```

178 tgg gct cag acc tgc caa gag cca tat ccg gga gga ccc tgc ccc tga 1008
179 cct aag ccc acc cca aag gcc aaa ctc tcc act ccc tca gct cgg aca 1056
180 cct tct ctc ctc cca gat tcc agt aac tcc caa tct tct ctc tgc aga 1104
181 gcc caa atc ttg tga caa aac tca cac atg ccc acc gtg ccc agg taa 1152
182 gcc agc cca ggc ctc gcc ctc cag ctc aag gcg gga cag gtg ccc tag 1200
183 agt agc ctg cat cca ggg aca ggc ccc agc cgg gtg ctg aca cgt cca 1248
184 cct cca tct ctt cct cag cac ctg aac tcc tgg ggg gac cgt cag tct 1296
185 tcc tct tcc ccc caa aac cca agg aca ccc tca tga tct ccc gga ccc 1344
186 ctg agg tca cat gcg tgg tgg tgg acg tga gcc acg aag acc ctg agg 1392
187 tca agt tca act ggt acg tgg acg gcg tgg agg tgc ata atg cca aga 1440
188 caa agc cgc ggg agg agc agt aca aca gca cgt acc gtg tgg tca gcg 1488
189 tcc tca ccg tcc tgc acc agg act ggc tga atg gca agg agt aca agt 1536
190 gca agg tct cca aca aag ccc tcc cag ccc cca tcg aga aaa cca tct 1584
191 cca aag cca aag gtg gga ccc gtg ggg tgc gag ggc cac atg gac aga 1632
192 ggc cgg ctc ggc cca ccc tct gcc ctg aga gtg acc gct gta cca acc 1680
193 tct gtc cct aca ggg cag ccc cga gaa cca cag gtg tac acc ctg ccc 1728
194 cca tcc cgg gag gag atg acc aag aac cag gtc agc ctg acc tgc ctg 1776
195 gtc aaa ggc ttc tat ccc agc gac atc gcc gtg gag tgg gag agc aat 1824
196 ggg cag ccg gag aac aac tcc aag acc acg cct ccc gtg ctg gac tcc 1872
197 gac ggc tcc ttc ttc ctc tat agc aag ctc acc gtg gac aag agc agg 1920
198 tgg cag cag ggg aac gtc ttc tca tgc tcc gtg atg cat gag gct ctg 1968
199 cac aac cac tac acg cag aag agc ctc tcc ctg tct ccg ggt aaa tga 2016

```

202 &lt;210&gt; SEQ ID NO: 4

203 &lt;211&gt; LENGTH: 469

204 &lt;212&gt; TYPE: PRT

205 &lt;213&gt; ORGANISM: Artificial Sequence

207 &lt;220&gt; FEATURE:

208 &lt;223&gt; OTHER INFORMATION: Heavy chain of 12.12 human anti-CD40 antibody

210 &lt;400&gt; SEQUENCE: 4

```

211 Met Glu Phe Gly Leu Ser Trp Val Phe Leu Val Ala Ile Leu Arg Gly
212 1 5 10 15
213 Val Gln Cys Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln
214 20 25 30
215 Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
216 35 40 45
217 Ser Ser Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
218 50 55 60
219 Glu Trp Val Ala Val Ile Ser Tyr Glu Glu Ser Asn Arg Tyr His Ala
220 65 70 75 80
221 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Ile
222 85 90 95
223 Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Thr Glu Asp Thr Ala Val
224 100 105 110
225 Tyr Tyr Cys Ala Arg Asp Gly Gly Ile Ala Ala Pro Gly Pro Asp Tyr
226 115 120 125
227 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly
228 130 135 140
229 Pro Ser Val Phe Pro Leu Ala Pro Ala Ser Lys Ser Thr Ser Gly Gly
230 145 150 155 160

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/577,390

DATE: 05/11/2006

TIME: 13:13:59

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\05092006\J577390.raw

```

231 Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
232                165                170                175
233 Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
234                180                185                190
235 Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
236                195                200                205
237 Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val
238    210                215                220
239 Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro Lys
240 225                230                235                240
241 Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu
242                245                250                255
243 Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr
244                260                265                270
245 Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val
246                275                280                285
247 Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val
248    290                295                300
249 Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser
250 305                310                315                320
251 Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu
252                325                330                335
253 Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala
254                340                345                350
255 Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro
256    355                360                365
257 Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln
258    370                375                380
259 Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala
260 385                390                395                400
261 Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr
262                405                410                415
263 Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu
264                420                425                430
265 Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser
266    435                440                445
267 Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser
268    450                455                460
269 Leu Ser Pro Gly Lys
270 465
273 <210> SEQ ID NO: 5
274 <211> LENGTH: 469
275 <212> TYPE: PRT
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Heavy chain of variant of 12.12 human anti-CD40
280 antibody
282 <400> SEQUENCE: 5
283 Met Glu Phe Gly Leu Ser Trp Val Phe Leu Val Ala Ile Leu Arg Gly

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/577,390

DATE: 05/11/2006

TIME: 13:14:00

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\05092006\J577390.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application No  
L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:41 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:44 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:542 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:643 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11



Raw Sequence Listing before editing,  
for reference only



IFWP

## RAW SEQUENCE LISTING

DATE: 05/09/2006

PATENT APPLICATION: US/10/577,390

TIME: 11:14:57

Input Set : A:\seq1st.txt

Output Set: N:\CRF4\05092006\J577390.raw

4 <110> APPLICANT: Chen, Bao-Lu  
 5 Hurst, Deborah  
 6 Lee, Sang Hoon  
 7 Long, Li  
 8 Lu, Xiaofeng  
 9 Lugman, Mohammad  
 10 Yabannavar, Asha  
 11 Zaror, Isabel  
 13 <120> TITLE OF INVENTION: Antagonist Anti-CD40 Monoclonal  
 14 Antibodies and Methods for Their Use  
 17 <130> FILE REFERENCE: PP20107.004 (282916)  
 C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/577,390  
 C--> 19 <141> CURRENT FILING DATE: 2006-04-27  
 19 <150> PRIOR APPLICATION NUMBER: 60/565,710  
 20 <151> PRIOR FILING DATE: 2004-04-27  
 22 <150> PRIOR APPLICATION NUMBER: 60/525,579  
 23 <151> PRIOR FILING DATE: 2003-11-26  
 25 <150> PRIOR APPLICATION NUMBER: 60/517,337  
 26 <151> PRIOR FILING DATE: 2003-11-04  
 28 <160> NUMBER OF SEQ ID NOS: 12  
 30 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply  
 Corrected Diskette Needed  
 (pg-2)

## ERRORED SEQUENCES

717 <210> SEQ ID NO: 12  
 718 <211> LENGTH: 277  
 719 <212> TYPE: PRT  
 720 <213> ORGANISM: Homo sapiens  
 722 <400> SEQUENCE: 12  
 723 Met Val Arg Leu Pro Leu Gln Cys Val Leu Trp Gly Cys Leu Leu Thr  
 724 1 5 10 15  
 725 Ala Val His Pro Glu Pro Pro Thr Ala Cys Arg Glu Lys Gln Tyr Leu  
 726 20 25 30  
 727 Ile Asn Ser Gln Cys Cys Ser Leu Cys Gln Pro Gly Gln Lys Leu Val  
 728 35 40 45  
 729 Ser Asp Cys Thr Glu Phe Thr Glu Thr Glu Cys Leu Pro Cys Gly Glu  
 730 50 55 60  
 731 Ser Glu Phe Leu Asp Thr Trp Asn Arg Glu Thr His Cys His Gln His  
 732 65 70 75 80  
 733 Lys Tyr Cys Asp Pro Asn Leu Gly Leu Arg Val Gln Gln Lys Gly Thr  
 734 85 90 95  
 735 Ser Glu Thr Asp Thr Ile Cys Thr Cys Glu Glu Gly Trp His Cys Thr

## RAW SEQUENCE LISTING

DATE: 05/09/2006

PATENT APPLICATION: US/10/577,390

TIME: 11:14:57

Input Set : A:\seqlst.txt

Output Set: N:\CRF4\05092006\J577390.raw

```

736          100          105          110
737 Ser Glu Ala Cys Glu Ser Cys Val Leu His Arg Ser Cys Ser Pro Gly
738          115          120          125
739 Phe Gly Val Lys Gln Ile Ala Thr Gly Val Ser Asp Thr Ile Cys Glu
740          130          135          140
741 Pro Cys Pro Val Gly Phe Ser Asn Val Ser Ser Ala Phe Glu Lys
742 145          150          155          160
743 Cys His Pro Trp Thr Ser Cys Glu Thr Lys Asp Leu Val Val Gln Gln
744          165          170          175
745 Ala Gly Thr Asn Lys Thr Asp Val Val Cys Gly Pro Gln Asp Arg Leu
746          180          185          190
747 Arg Ala Leu Val Val Ile Pro Ile Ile Phe Gly Ile Leu Phe Ala Ile
748          195          200          205
749 Leu Leu Val Leu Val Phe Ile Lys Lys Val Ala Lys Lys Pro Thr Asn
750          210          215          220
751 Lys Ala Pro His Pro Lys Gln Glu Pro Gln Glu Ile Asn Phe Pro Asp
752 225          230          235          240
753 Asp Leu Pro Gly Ser Asn Thr Ala Ala Pro Val Gln Glu Thr Leu His
754          245          250          255
755 Gly Cys Gln Pro Val Thr Gln Glu Asp Gly Lys Glu Ser Arg Ile Ser
756          260          265          270
757 Val Gln Glu Arg Gln
758          275

```

E--> 760 12  
 766 RTA01/2168223v1

*deleted*

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/577,390

DATE: 05/09/2006

TIME: 11:14:58

Input Set : A:\seq1st.txt

Output Set: N:\CRF4\05092006\J577390.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application No  
L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:41 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:44 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:542 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:643 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11  
L:760 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:12